#16/ Formal Drawing R. Morgan

780.29643CX1

SEP 2 0 1996

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Thomas J. CAMPANA, Jr.

Serial No.:

08/443,430

Filed:

May 18, 1995

For:

ELECTRONIC MAIL SYSTEM WITH RF COMMUNICATIONS TO MOBILE PROCESSORS

Group:

2608

Examiner:

G. Oehling

RE-TRANSMITTAL OF FORMAL DRAWINGS AND RESPONSE TO OBJECTION TO THE DRAWINGS OF OBTAINING DESCRIPTIVE MATTER

Honorable Commissioner of Patents and Trademarks Washington, D. C. 20231 September 20, 1996

sir:

Transmitted herewith are twelve (12) sheets of Formal Drawings (non-bristol boards) showing Figs. 1-12 in the above-identified application in compliance with the provisions of Rule 84.

Reconsideration of the Official Draftsman's ruling that the legends in Figs. 2, 6 and 11 contain objectionable descriptive matter is respectively requested. United States Patent 5,438,611, which has the same exact filing date of this application and which contains <u>identical</u> drawings, issued with the legends in Figs. 2, 6 and 11 which have been objected to in this application. A photocopy of the drawings of those figures from United States Patent 5,438,611 is enclosed along with a

photocopy of the Official Draftsman's acceptance therein of the legends in Figs. 2, 6 and 11 is enclosed. Accordingly, acceptance of the drawings transmitted herewith is respectfully requested.

Respectfully submitted,

Donald E. Stout
Registration No. 26,422
ANTONELLI, TERRY, STOUT & KRAUS

(703) 312-6600

Attachments

DES:dlh

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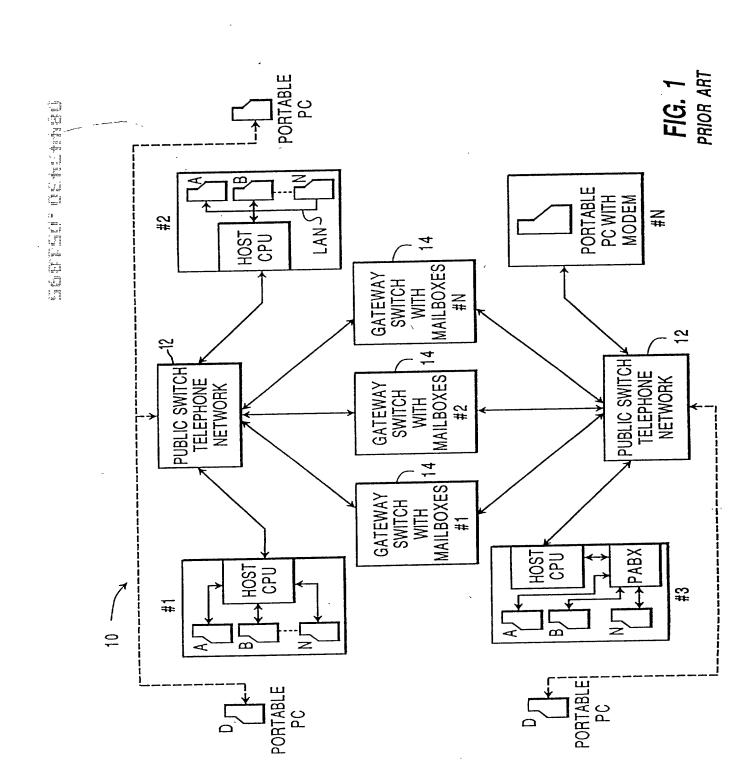
The drawings filed (insert date) 6-10-94 are	70°
The drawings filed (insert date) 6 10 10 , are	Modified forms. 37 CFR 1.84(h)(5)
A not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.	Modified forms of construction must be shown in separate views.
B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as	Fig(s)
indicated below. The Examiner will require submission of new, corrected	,
drawings when necessary. Corrected drawings must be submitted	
according to the instructions on the back of this Notice.	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
according to the histochous on the back of this Notice.	View placed upon another view or within outline of another.
	Fig(s)
1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	Words do not appear in a horizontal, left-to-right fashion when
Black ink. Color.	page is either upright or turned so that the top becomes the right
Not black solid lines. Fig(s)	side, except for graphs. Fig(s)
Color drawings are not acceptable until petition is granted.	
1	0. 0045 07 070 (044)
2. PHOTOGRAPHS, 37 CFR 1.84(b)	9. SCALE. 37 CFR 1.84(k)
Photographs are not acceptable until petition is granted.	Scale not large enough to show mechanism without crowding
	when drawing is reduced in size to two-thirds in reproduction.
3. GRAPHIC FORMS. 37 CFR 1.84 (d)	Fig(s)
Chemical or mathematical formula not labeled as separate figure.	Indication such as "actual size" or "scale 1/2" not permitted.
· · ·	Fig(s)
Fig(s)	Elements of same view not in proportion to each other.
Group of waveforms not presented as a single figure, using	Fig(s)
common vertical axis with time extending along horizontal axis.	
Fig(s)	· · · · · · · · · · · · · · · · · · ·
Individuals waveform not identified with a separate letter	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(1)
designation adjacent to the vertical axis. Fig(s)	Lines, numbers & letters not uniformly thick and well defined,
	clean, durable, and black (except for color drawings).
4. TYPE OF PAPER. 37 CFR 1.84(e)	Fig(s)
Paper not flexible, strong, white, smooth, nonshiny, and durable.	•··· <del></del>
Sheet(s)	11 CHADING 27 CED 1 94(m)
	11. SHADING. 37 CFR 1.84(m)
	Shading used for other than shape of spherical, cylindrical, and
and folds not allowed. Sheet(s)	conical elements of an object, or for flat parts.
The poor	Fig(s)
5. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable paper sizes:	Solid black shading areas not permitted. Fig(s)
21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)	
21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)	<u> </u>
24.6 cm. by 27.9 cm. (8 1/2 by 11 inches)	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR
21.0 cm. by 29.7 cm. (DIN size A4)	1.84(p)
All drawing sheets not the same size. Sheet(s)	Numbers and reference characters not plain and legible. 37 CFR
	1/84(p)(l) Fig(s)
Drawing sheet not an acceptable size. Sheet(s)	Numbers and reference characters used in conjuction with
#: <sup>1</sup>	brackets, inverted commas, or enclosed within outlines. 37 CFR
6. MARGINS. 37 CFR 1.84(g): Acceptable margins:	1.84(p)(l) Fig(s)
Paper size	Numbers and reference characters not oriented in same direction as
21.6 cm, X 35.6 cm, 21.6 cm, X 33.1 cm, 21 cm, X 27.9 cm, 21 cm, X 29.7 cm,	the view. 37 CFR 1.84(p)(1) Fig(s)
(8 1/2-X-14 inches) (8 1/2 X 13 inches) (8 1/2 X 11 inches) (DIN Size A4)	
T 5.1 cm. (2") . 2.5 cm. (1") 2.5 cm. (1") 2.5 cm.	English alphabet not used. 37 CFR 1.84(p)(2)
L .64 cm. (1/4") .64 cm. (1/4") .64 cm. (1/4") 2.5 cm.	Fig(s)
R .64°cm. (1/4") .64 cm. (1/4") 64 cm. (1/4") 1.5 cm	Numbers, letters, and reference characters do not measure at least
B .64 cm. (1/4") .64 cm. (1/4") 10 cm.	.32 cm. (1/8 inch) in height. 37 CFR(p)(3)
Margins do not conform to chart above.	Fig(s)
Sheet(s)	
Top (T) Left (L) Right (R) Bottom (B)	13. LEAD LINES. 37 CFR 1.84(q)
7. VIEWS, 37 CFR 1.84(h)	Lead lines cross each other. Fig(s)
	Lead lines missing. Fig(s)
REMINDER: Specification may require revision to correspond to	
drawing changes.	Lead lines not as short as possible. Fig(s)
All views not grouped together. Fig(s)	,
Views connected by projection lines. Fig(s)	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
Views contain center lines. Fig(s)	Number appears in top margin. Fig(s)
Partial views. 37 CFR 1.84(h)(2)	Number not larger than reference characters.
Separate sheets not linked edge to edge.	Fig(s)
Fig(s)	Sheets not numbered consecutively, and in Arabic numerals,
View and enlarged view not labeled separately.	beginning with number 1. Sheet(s)
Fig(s)	/
Long view relationship between different parts not clear and	
unambiguous, 37 CFR 1.84(h)(2)(ii)	15. NUMBER OF VIEWS. 37 CFR 1.84(u)
Fig(s)	Views not numbered consecutively, and in Arabic numerals,
	beginning with number 1. Fig(s)
Sectional views. 37 CFR 1.84(h)(3)	View numbers not preceded by the abbreviation Fig.
Hatching not indicated for sectional portions of an object.	Fig(s)
Fig(s)	Single view contains a view number and the abbreviation Fig.
Hatching of regularly spaced oblique parallel lines not spaced	Numbers not larger than reference characters.
sufficiently. Fig(s)	Fig(s)
Hatching not at substantial angle to surrounding axes or principal	• •8(0)
lines. Fig(s)	
Cross section not drawn same as view with parts in cross section	16. CORRECTIONS, 37 CFR 1.84(w)
with regularly spaced parallel oblique strokes	Corrections not durable and permanent. Fig(s)
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Fig(s)	
Fig(s)  Hatching of juxtaposed different elements not angled in a different	17 DESIGN DRAWING 37 CFR 1 152
Hatching of juxtaposed different elements not angled in a different	17. DESIGN DRAWING. 37 CFR 1.152
Hatching of juxtaposed different elements not angled in a different way. Fig(s)	Surface shading shown not appropriate. Fig(s)
Hatching of juxtaposed different elements not angled in a different way. Fig(s)  Alternate position. 37 CFR 1.84(h)(4)	Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast.
Hatching of juxtaposed different elements not angled in a different way. Fig(s)  Alternate position. 37 CFR 1.84(h)(4)  A separate view required for a moved position.	Surface shading shown not appropriate. Fig(s)
Hatching of juxtaposed different elements not angled in a different way. Fig(s)  Alternate position. 37 CFR 1.84(h)(4)	Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast.
Hatching of juxtaposed different elements not angled in a different way. Fig(s)  Alternate position. 37 CFR 1.84(h)(4)  A separate view required for a moved position.  Fig(s)	Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast. Fig(s)
Hatching of juxtaposed different elements not angled in a different way. Fig(s)  Alternate position. 37 CFR 1.84(h)(4)  A separate view required for a moved position.  Fig(s)	Surface shading shown not appropriate. Fig(s) Solid black shading not used for color contrast.



EXAMINING GROUP PERSONNEL-Please complete the top part of this transmittal and attach it to the complete set of drawings. Deliver drawings and this transmittal form to Drafting Branch.

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Ex	aminer/Clerk	Group/Art Unit	Date / (	
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Ap	plication Number	,	Number of Sheet(s) of Drawin	ngs
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F16. 2 (PRIOR ART) PERIPHERAL DEVICE MUB SWITCH #P TO OTHER HUBS PAGING (S) RECEIVER(S) NUB SWITCH #2 TO CLOSEST HUBS 82IV 950XXXX 124 PAGING PERVICE LATA SWITCH #N <u>න</u> ಜ TO OTHER HUBS SESS 126 TO CLOSEST LATA SWITCHES HUB SWITCH #1 TO LATAS 950XXX 5, LATA SWITCH # LOCAL PAGING – SERVICE € . 127 TO CLOSEST HUBS TO CLOSEST LATA SWITCHES <u>8</u> 121 124 1

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FIG. 3 (PRIOR ART)

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	LOC	CAL	SWITCH	MEMO	RY MAP			
154	tions, the second of the secon			I56	158 /		160 {	
162	SUBSCRIBER FILES N (9999)		FREQUEI FILES N	(1,000)	LATA BUFFERS		OCAL IFFERS	
164 166 168	TELE#1 (0.000) TELEPHONE # SUBSCRIBER AND PAGER ID CODE	1 2	0-15 F		INBOUND ==	1 ,	NBOUND PAGES	184
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172 174 176	5) SUBSCRIBER NAME/ACCOUNT D ACCOUNT # D PAGE COUNT (L.R.N)		.4 -		OUTBOUND LATA BUFFER		-5	186
78 9	# OF DATA CHARACTERS SENT DESTINATIONS AREA CODE(S)				182		6	
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	111a+ )		·		1		<b></b>	ID CODE BUFFERS

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esting and the second s		LATA SWITCH 190	MEMORY MAP 192	19,4	19,6
2 <u>144</u> 2000 2000 2000					
188	HUB BUFFERS	LOCAL BUFFERS	LATA ID MEMORY	OPTIONAL	OPTIONAL
198	OUTBOUND PAGES	INBOUND PAGES 202	ALL PAGER ID CODES OF LOCAL#I		- 
		OUTBOUND PAGES LOCAL #		ALL CALL BUFFER PAGES FROM HUB SWITCH	ALL CALL BUFFER PAGES FROM LOCAL SWITCHES
200	INBOUND PAGES	204   OUTBOUND LOCAL # N (25)	ALL PAGER ID CODES OF LOCAL # N (26)		

AFRICOVED O.G. FIG.

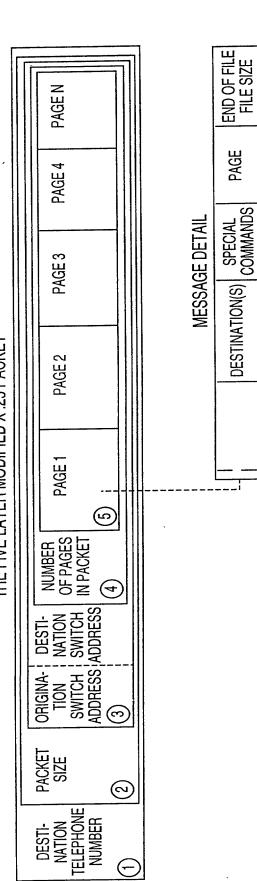
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FIG. 5

(PRIOR ART) HUB **SWITCH MEMORY** MAP - 206 208 -210 -212 LATA HUB BUFFERS CODE HUB ROUTING BUFFERS LATA **TABLES** N (100) CODES N (1000) INBOUND HUB # 1 INBOUND LATA # 1 224 ROUTING CODE 1,2,3,4,5,6 (312) LATA CODE 222 218 # | 214-INBOUND INBOUND HUB # N (6) LATA # N (100) OUTBOUND HUB OUTBOUND LATA 220 216-LATA CODE OUTBOUND OUTBOUND LATA # N (100) HUB # N (6) # N (100) ROUTING CODE (999) # N

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**FIG. 6** PRIOR ART THE FIVE LAYER MODIFIED X .25 PACKET

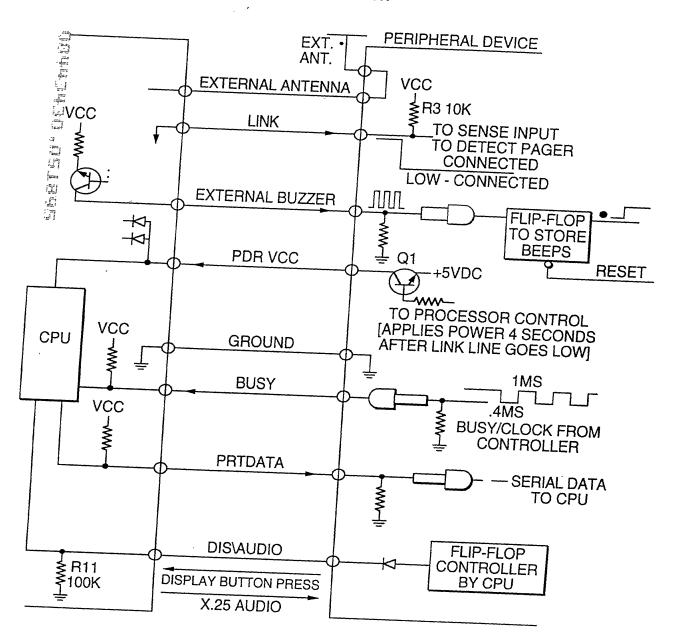


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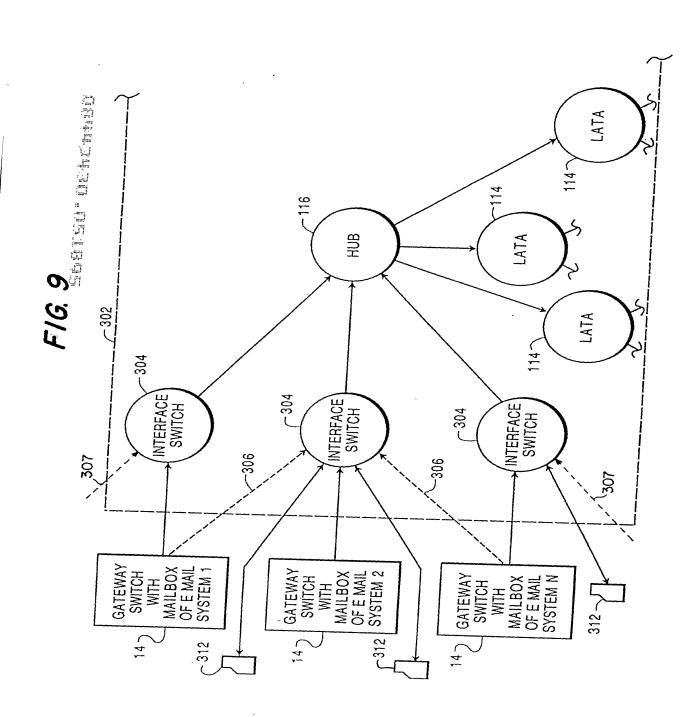
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FIG. 7 PRIOR ART



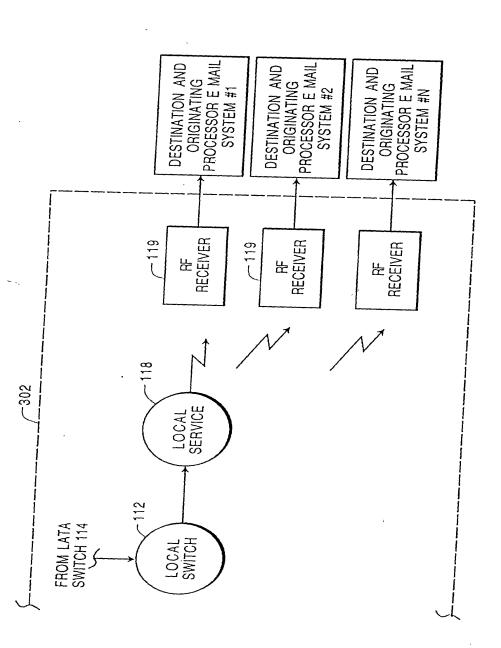
PORTABLE TRANSMISSION NETWORK -305 RF INFORMATION PORTABLE PC WITH MODEM LAN 5 H #2 **Z** HOST MAILBOXES GATEWAY SWITCH WITH **Z** 7314 SWITCH TELEPHONE
NETWORK 14 PUBLIC OR PRIVATE SWITCH TELEPHONE F16.8 MAILBOXES #2 GATEWAY SWITCH WITH **NETWORK** 14 GATEWAY SWITCH WITH MAILBOXES PABX **HOST** TSOET TSOET #3 # 1 5 1 RF INFORMATION TRANSMISSION NETWORK PORTABLE PC PC PORTABLE PC 302~

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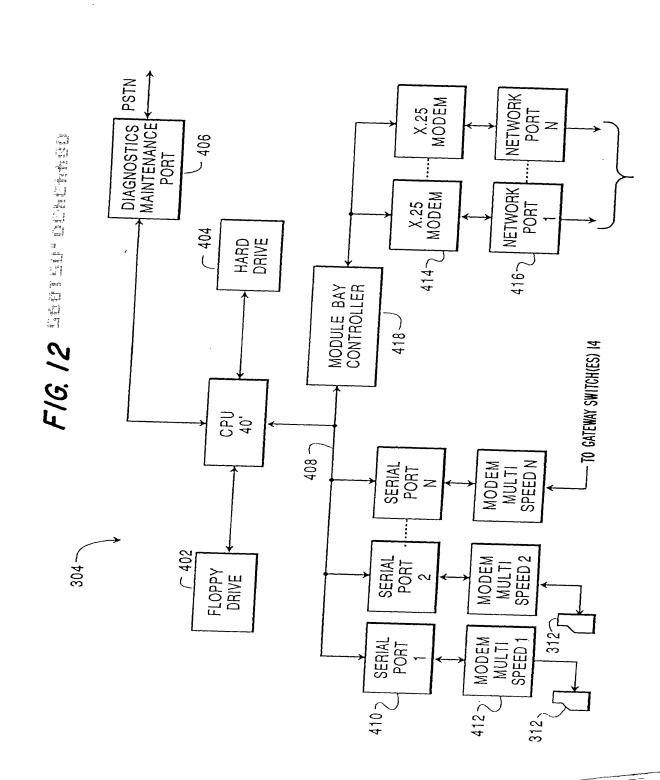
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INTERFACE	ADDS ID OF RF	NO ACTION OTHER	ADDS ID OF RECEIVER 449	NO ACTION OTHER	THAN ID VERIFICATION	NO ACTION OTHER THAN ID VERIFICATION	ADDS ID OF RECEIVER 119		NO ACTION OTHER THAN ID VERIFICATION
GATEWAY SWITCH 14	NO-ACTION	NO-ACTION	ADDS WIRELESS DESTINATION	ADDS WIRELESS DESTINATION AND TO	OF RECEIVER 119	ADDS ID OF RECEIVER 119	NO-ACTION		NO-ACTION
ORIGINATING PROCESSOR	ADDS INTERFACE (WIRELESS) DESTINATION AND DESTINATION PROCESSOR	ADDS INTERFACE (WIRELESS) DESTINATION AND ID OF RECEIVER 119	ADDS DESTINATION PROCESSOR	ADDS DESTINATION PROCESSOR	ADDS DESTINATION PROCESSOR, OPERATOR POINTS TO DISPLACED	ICON, ORIGINATING PROCESSOR ADDS WIRELESS DESTINATION.	ADDS DESTINATION PROCESSOR, OPERATOR POINTS TO DISPLAYED ICON, ORIGINATING PROCESSOR ADDS WIRELESS DESTINATION	ADDS DESTINATION PROCESSOR, OPERATOR POINTS TO DISPLAYED ICON, ORIGINATING PROCESSOR	ADDS WIRELESS DESTINATION AND ID OF RECEIVER 119(BY COMPARING DESTINATION PROCESSOR TO ID TABLE).
ENTRY METHOD	-	7	က	4,	ĸ	•	. 60	~	

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## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

The drawings filed (insert date) 09/20/96, are	View and enlarged view not labled separatly or properly.
A not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.	Fig(s)
B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as	Sectional views. 37 CFR 1.84 (h) 3
indicated below. The Examiner will require submission of new, corrected	Hatching not indicated for sectional portions of an object.
drawings when necessary. Corrected drawings must be submitted	Fig(s)
according to the instructions on the back of this Notice.	Cross section not drawn same as view with parts in cross section
	with regularly spaced parallel oblique strokes. Fig(s)
1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: 8.  Black ink. Color.	ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Not black solid lines. Fig(s)	Words do not appear on a horizontal, left-to-right fashion when
Color drawings are not acceptable until petition is granted.	page is either upright or turned so that the top becomes the right
Color drawings are not acceptable unity pendion is granted.	side, except for graphs. Fig(s)
2. PHOTOGRAPHS. 37 CFR 1.84(b)	SCALE. 37 CFR 1.84(k)
Photographs are not acceptable until petition is granted.	Scale not large enough to show mechanism with crowding
#Fig(s)	when drawing is reduced in size to two-thirds in reproduction.
Photographs not properly mounted (must use brystol board or	Fig(s)
f photographic double-weight paper). Fig(s)	Indication such as "actual size" or scale 1/2" not permitted.
Poor quality (half-tone). Fig(s)	Fig(s)
5. Glavi ino i Glavio 57 Glavio (4)	CHARACTER OF LINES, NUMBERS, & LETTERS 37 CFR
Chemical or mathematical formula not labeled as separate figure.	1.84(l)
Fig(s)	Lines, numbers & letters not uniformly thick and well defined,
Group of waveforms not presented as a single figure, using	clean, durable, and black (except for color drawings).
et common vertical axis with time extending along horizontal axis.	Fig(s)
Fig(s)11.	SHADING. 37 CER 1:84(m)
Individuals waveform not identified with a separate letter	Solid black shading areas not permitted.
designation adjacent to the vertical axis: Fig(s)	Fig(s)
4. TYPE OF PAPER. 37 CFR 1.84(c)	Shade lines, pale, rough and blurred. Fig(s)
Paper not flexible, strong, white, smooth, nonshiny, and durable.	NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR
Sheet(s)  Erasures, alterations, overwritings, interlineations, cracks, creases,	1.84(p)
and folds copy machine marks not accepted. Fig(s)	Numbers and reference characters not plain and legible. 37 CFR
Mylar, velum paper is not acceptable (too thin). Fig(s)	1.84(p)(l) Fig(s)
5. SIZE OF PAPER. 37 CFR 1:84(f): Acceptable sizes:	Numbers and reference characters not oriented in same direction
21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)	as the view 37 CFR 1.84(p)(l) Fig(s)
21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)	English alphabet not used. 37 CFR 1.84(p)(2)
21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)	Fig(s)
21.0 cm, by 29.7 cm. (DIN size A4)	.32 cm. (1/8 inch) in height. 37 CFR(p)(3)
All drawing sheets not the same size. Sheet(s)	Fig(s)
Drawing sheet not an acceptable size Sheet(s)	Name 1 1 1
	. LEAD LINES. 37 CFR 1.84(q)
Paper size	Lead lines cross each other. Fig(s)
	Lead lines missing. Fig(s)
21.6 cm. X 35.6 cm. 21.6 cm X 33.1 cm. 21.6 cm. X 27.9 cm. 21.0 cm. X 29.7 cm. (8 1/2 X 14 inches) (8 1/2 X 13 inches) (8 1/2 X 11 inches) (DIN Size A4)	NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(1)
T 5.1 cm. (2") 2.5 cm. (1") 2.5 cm. (1"). 2.5 cm.	Sheets not numbered consecutively, and in Arabic numerals
L .64 cm. (1/4") .64 cm. (1/4") 2.5 cm.	beginning with number 1. Sheet(s)
	NUMBER OF VIEWS. 37 CFR 1.84(u)
B .64 cm. (1/4") .64 cm. (1/4") 1.0 cm.	Views not numbered consecutively, and in Arabic numerals,
Margins do not conform to chart above.	beginning with number 1. Fig(s)
Sheet(s)	View numbers not preceded by the abbreviation Fig.
Top (T) Left (L)Right (R)Bottom (B)	Fig(s)
7. VIEWS. 37 CFR 1.84(h)	CORRECTIONS. 37 CFR 1.84(w)
REMINDER: Specification may require revision to correspond to	Corrections not made from prior PTO-948.
drawing changes	Fig(s)
All views not grouped together. Fig(s) 17.	DESIGN DRAWING. 37 CFR 1.152
Views connected by projection lines or lead lines.	Surface shading shown not appropriate. Fig(s)
Fig(s)	Solid black shading not used for color contrast.
Partial views. 37 CFR 1.84(h) 2	Fig(s)
COMMENTS:	